

Enabling Digital Transformation (DX) – a Financial Institution's Perspective

Technology, Media and Telecommunications, Sector Solutions Group

9 November 2021



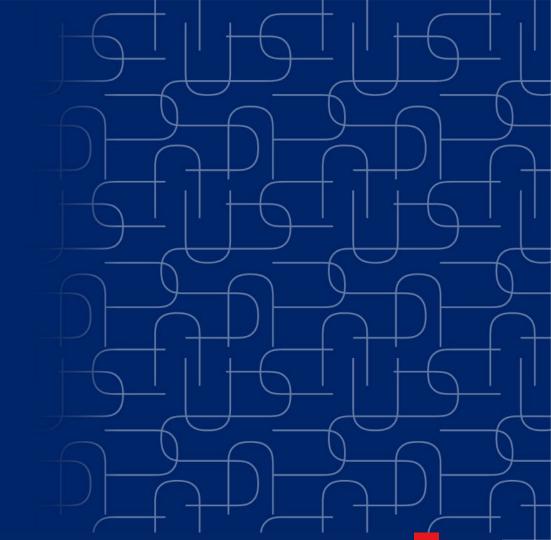
# Agenda

Topic		Presenter
1.	Overview of DX	Terence
2.	DX and its impact on the ecosystem	Weizhe
3.	Growth of As-a-Service model	Xiaohan
4.	How Financial Institutions are enabling DX	Mun Hon
5.	Q&A	Mun Hon

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Overview of DX



# COVID-19 is the catalyst to Digital Transformation



Pre-COVID

Lockdown

People went around with their usual activities as per normal

People were forced into an extreme situation, and had to try doing things a different way

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COVID-19







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Singapore will have to learn to live with COVID-19 for the long term. We must all adjust the way we live, work and play.

PM Lee. 7 June'20



As we move into the new norm, we see the importance of <u>Digital Transformation</u> in 6 key areas:



arrangements

The way we connect

Collaboration apps (e.g. Teams, Zoom)



The way we **shop** 

E-Commerce; Omni Channel



The way we **build** 

Automation



The way we play

Online entertainment (e.g. live video streaming, social gaming)



The way we learn

Remote learning

There is increased demand for remote work; and organisations are moving towards this



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employees in Singapore want to continue working from home

ST Survey

2

**70**%

of companies looking at flexible working as a priority

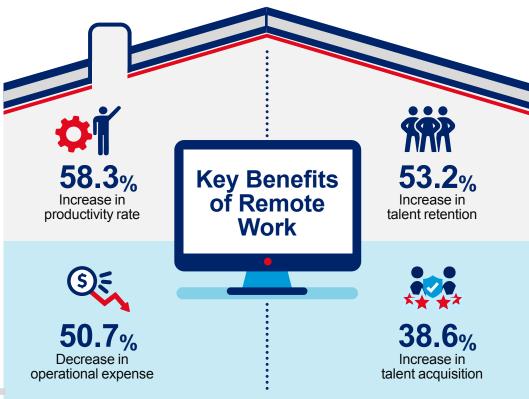
Mercer

3



WFH will be added to HR Policies

IDC Survey



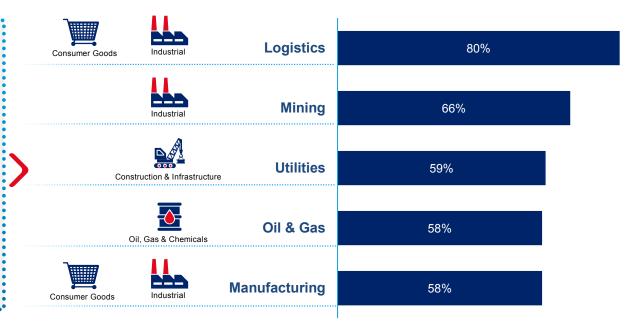
Source: IDC COVID-19 Impact Survey Wave 9, 1 Aug 2020 (N=305 -500+ Employee Size)

## DX is relevant across all sectors



More organisations across all sectors are starting to adopt a DX strategy.





# Top Technology priorities for organisations are related to DX



## **TOP 10 Technology Investments in 2020**

"These investments enable business resiliency and help drive digital transformation,"

Sandra Ng, Group Vice President for ICT Practice at IDC Asia/Pacific

- Remote Learning/training
- **Secure Application Delivery**
- **Data Security**
- **Virtual Workspaces**
- Videoconferencing
- **Collaborative Applications**
- Secure Remote Access
- **Mobile Devices**
- **Workforce Performance Management**
- As-a-Service model

#### **Implementation Priorities of Organisations**

According to a survey done in August, the implementation priorities of organisations to improve businesses also relates to IT investments that can improve the DX process.

41.2%



39.4%



34.1%



Increase in IT technology investment

Improve IT visibility and remote management capabilities

Allow work flexibility via a hybrid remote work/return to workplace model

33.3%



Accelerate automation and artificial intelligence to remove physical workplace dependency

30.9%





Implement site safety policies to promote physical distancing and proximity tracing

Improve remote work experience

# Importance of getting on the DX roadmap fast:

# 4 key benefits



1 Process Improvement to Drive Efficiency

Increase Savings and Improve Revenue Growth

Remote work can lead to 58% increase in productivity rate



 By reducing manual processes through e-invoicing, transactions are now updated and error-free.
 Employees can also focus more on business development as well as upcoming solutions



 Investing in a Self Renewal Kiosk Machine allowed employees to spend time on giving a fairer valuation for items instead of administrative work



Achieved a payback period of 9 months by investing in a DX process

**96%** ROI



**Flexibility to Increase Productivity** 



- More than 90% of organisations have said that productivity has remained the same or even increased during this remote working period
- Companies have reduced their office footprint moving towards a hot desk system, with the goal that this flexibility can be used to drive productivity



#### **Drive Sales**

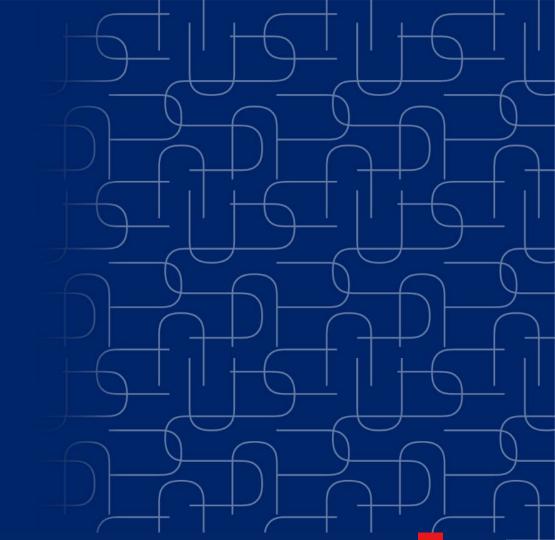


Seonggong

- Sales increased **tenfold** after it launched a new website along with a new e-payment and online ordering system
- Delivery business boosted by 20 per cent with a new payments and orders management solution



DX and its impact on the ecosystem

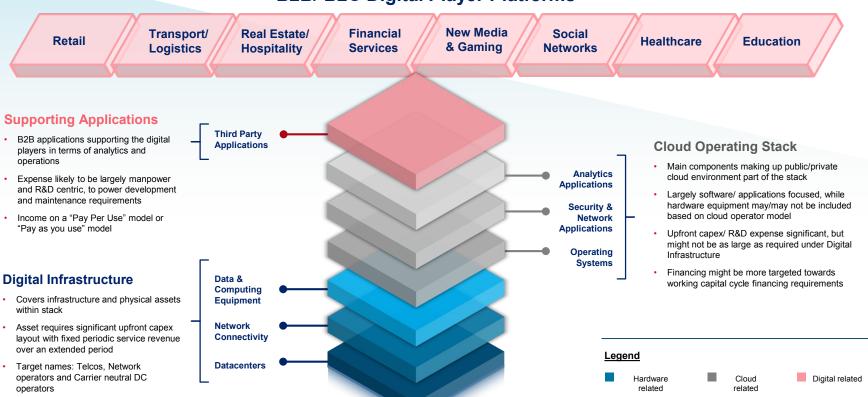


# "Unpacking" Digital Ecosystem



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#### **B2B/ B2C Digital Player Platforms**



# Understanding the focus of Digital Transformation



The focus of companies within digital ecosystem is to provide the best user experience to their end customers, be it individual consumers or enterprises.







# Focus on Transforming User Experience



# Selling Services instead of Products

End customers of digital and cloud players prefer the "as a service" model when purchasing digital goods and capabilities, as it allows them flexibility in terms of scale and costs, while still allowing them access to the tools when required.

# Being part of the Ecosystem

Digital and cloud players tend to offer one to a few services/ products to their customers, which might not be able to meet all their customers' needs. Hence, these players tend to collaborate with complementary digital players to provide a larger and more comprehensive value proposition to their customers.

#### Data Connectivity Strategy to Plug In

A key aspect of digital infrastructure is how to connect applications, or parts of applications, when some will be running in the core, some at the edge and some in the public cloud. As organization increasingly connect digitally, their partners also need to be able to do so with minimal friction.







# IT Enablers key to supporting the key players expanding in the region and the growth of DX



Increased geopolitical tensions and the acceleration of DX

Led to the increased demand for ITSP players/ IT Enablers -Key backbone supporting this strong demand

SaaS and Cloud Software Vendors seeing good growth overall

IT Enablers

Microsoft

US\$30.5 bn +41% YoY

Google

Salesforce

US\$18.1 bn +20% YoY

SaaS and Cloud **Software Vendors** 

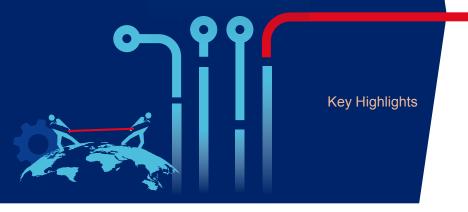


US\$8.0 bn +20% YoY aws aws

US\$8.7 bn +30% YoY

Global revenue in 2020:

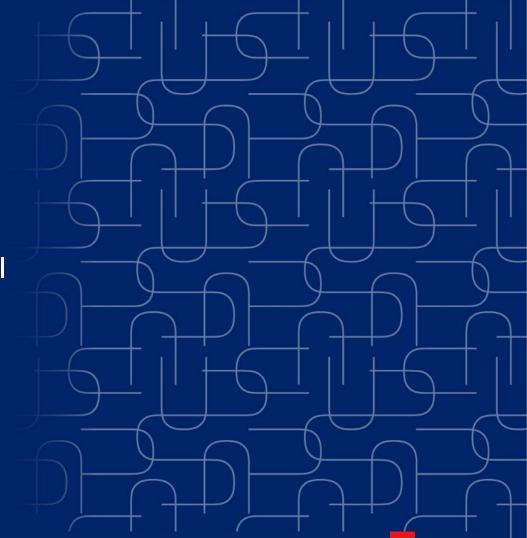
US\$245.2 bn +22% YoY



- Disruption caused by pandemic gave businesses the motivation to accelerate DX efforts
- Cloud collaboration software that almost immediately had to adjust to huge spikes in usage. Zoom, Teams, and Google Meet guickly evolved to address unforeseen increases in usage
- Microsoft earned an impressive 41% year-on-year growth, an increase of 4% over 2019, with sizable contributions from Dynamics 365 and Teams-powered Microsoft 365



Growth of As-a-Service model

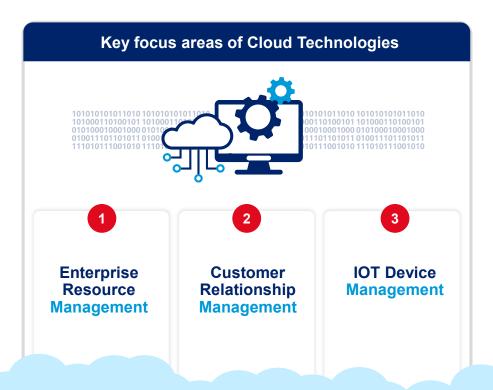


# Cloud continues to be a key focus for enterprises



# Plans to be in the Clouds within the next 12 months

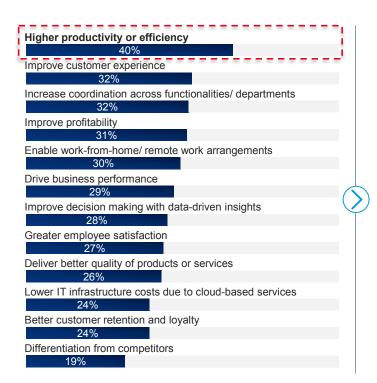




# Digitalisation has greatest positive impact on productivity. 3 in 10 have benefited with increased profit







# How Much Has Your **Profitability Improve By?**



More than 50 per cent	2%
30-40%	16%
20-30%	36%
10-20%	35%
0- 10%	11%

#### Positive Skews (Top 2 box):

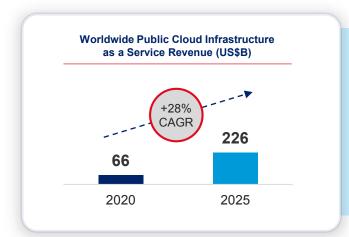
- Largely comparable by industries. SMEs in tech, media and telecom most benefited from Lower IT infrastructure costs
- WFH positively impacted smaller SMEs (less than 10 employees or SGD <1m turnover)</li>
- SMEs with largest revenue (SGD 50-100m) claim digitalisation has positively impacted business performance, employee satisfaction, lower IT cost and customer loyalty

Source: UOB SME Outlook 2021 Study

# Cloud laaS an important enabling component for the future of Digital Infrastructure



Public cloud Infrastructure-as-a-Service (laaS) market saw double-digit annual growths in 2020 amidst the pandemic, well positioned to help enterprises achieve data growth, growth in digital business and post pandemic workload requirements.



- The public cloud infrastructure-as-a-Service (laaS) market revenue grew 33.8% in 2020 to \$66 billion
- Public cloud laaS solutions are critical to modern digital enterprises
- Timely access to innovative infrastructure resources will be important to sustain the adaptive, resilient, secure, and compliant digital business models of the future



IDC predicts that by 2022, almost half of an enterprise's products and services will be digital or digitally delivered, increasing the business' reliance on infrastructure (compute, storage, networking) to support more than traditional business applications.

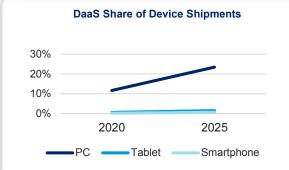
Definition of public cloud laaS: public cloud laaS as the aggregate of compute, raw ephemeral and persistent storage capacity, and the associated network capability, delivered through a public cloud deployment model

# COVID-19 spurred the increase of SaaS and DaaS adoption





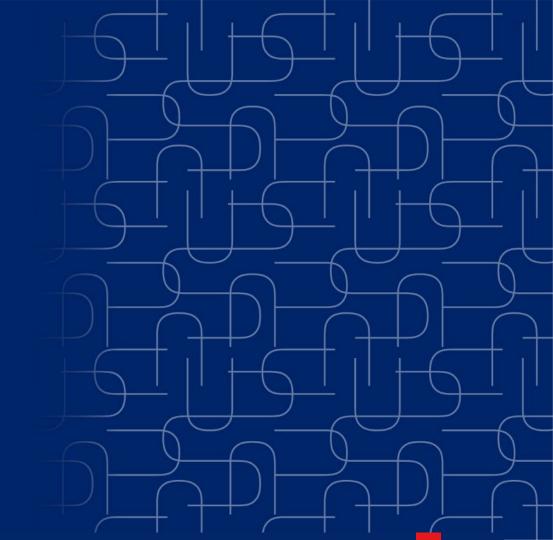
- COVID-19 increased Software-as-a-service (SaaS) adoption to support accelerated DX timelines. As a result, the CAGR for SaaS apps in the next five years is at 15%
- 65% of global GDP will be digitised by 2022, digitally determined businesses are more resilient and will be better prepared for disruption
- Globally, businesses rely on SaaS and cloud software to accelerate digital transformation



- DaaS results in more flexibility and utility for employees; with share of DaaS being higher in the PC market
- PCs are still more popular amongst enterprises under DaaS



How FIs are enabling DX



# Deep dive into IT Service Providers: Two types of Cash flows

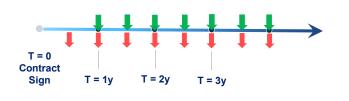


# WHEN

# CHARACTERISTICS

### **Steady Cash Flows**

- Maintenance & Support Phase of Projects
- Business Process Outsourcing (BPO) Services fixed fees or activity-based contract
- Long term contract (1-10 years) with recurring, steady cash flows
- Delayed payment is common
- Standard recurring tasks and Service Level Agreement (SLA); performance risk is relatively low



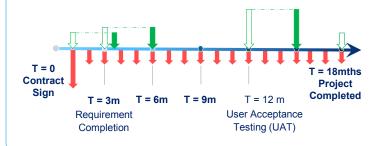
**Legend:** 

☐ Invoice date ☐ Cashflow in ☐ Cashflow out

#### Milestone-Based Cash Flows

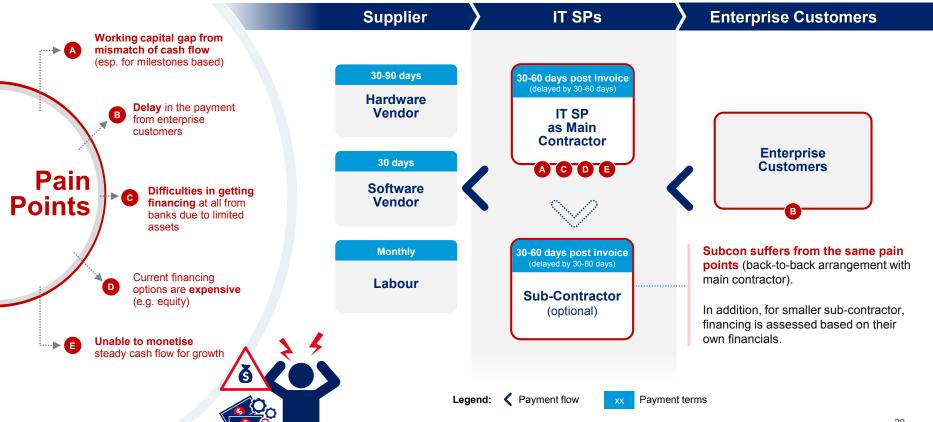
- Project-oriented services
- BPO Services value-based contract

- Shorter term contract (0.5-3 years) with **milestone- based cash flows**
- Delayed payment is common
- Customized SLA; performance risk is present



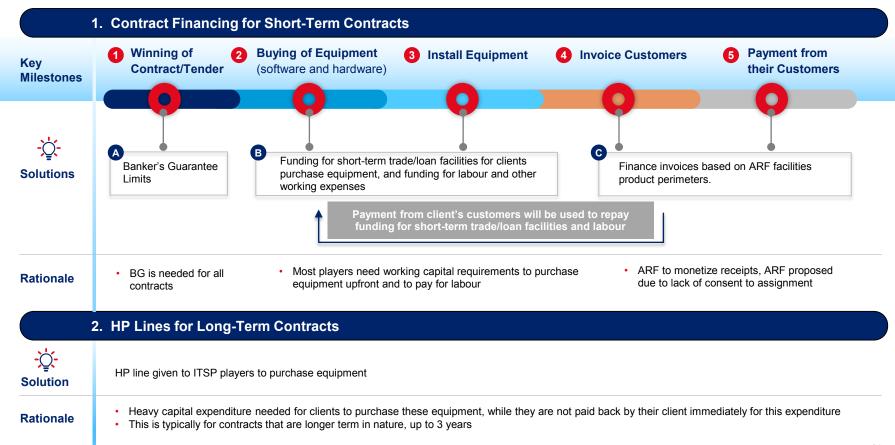
# Pain points of IT Service Providers





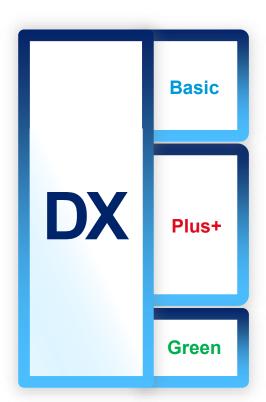
# Supporting DX through companies' project life cycle





# DX Financing Framework





Details	Criteria
<ul> <li>1. Contract Financing facilities comprising:</li> <li>ARF – up to 80% financing on specific existing contracts</li> <li>Cash-backed BG/LC issuance for new contracts</li> </ul>	Annual Turnover of up to S\$[50] million per annum
<ol> <li>Contract Financing facilities comprising:         <ul> <li>Omnibus lines of BG, MML/Short-term loans, LC/TR lines, with sub limits per contract of up to 50% of the entire contract's value</li> <li>ARF – up to 80% financing on specific existing contracts</li> </ul> </li> <li>Hire Purchase</li> </ol>	Annual Turnover of more than S\$[50] million per annum
Applicable as Green enhancement for DX Basic and Plus Packages	Underlying asset must be green

## Live Case Studies



#### Client A



Contract financing solution to support their purchase of storage equipment for an agency

## Client B



Contract financing solution to support their installation work with a network operator

#### **Client C**



HP lines for client to purchase network equipment for them to lease to a telco

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